



Instructions and General Specifications

FOR

Magnavox Vacuum Tubes Type A

Patents Pending in U. S. A. and Foreign Countries

A radio vacuum tube adapted for use as audio frequency and radio frequency amplifiers and as a detector.

The low internal capacity of this tube makes it especially valuable in detector, radio frequency and reflex circuits.

INSTRUCTIONS FOR OPERATION

1. Always turn off the "A" battery switch when inserting tubes.

2. Turn rheostats only to point where proper amplification or detection takes place and do not raise temperature further except to readjust, perhaps, as battery is exhausted.

SPECIFICATIONS

Amplification constant.....	8-10
Impedance.....	to fit all standard circuits
Base.....	bakelite insulation
Average plate current at 0 grid voltage...approx.	5 milliamperes
Voltages recommended:	
Filament.....	4½-5 volts—.2 to .25 amperes
As detector	60-90 volts on plate
As amplifier	90-120 volts on plate
Internal capacity	5 M.M.F.

These tubes may be used in any standard set using a 6-volt battery without alteration, although, due to their low integral capacity, the tuning is usually changed slightly.

USE IN NEUTRODYNE SETS

In neutrodyne and other radio frequency circuits they give remarkable results. In most factory-built neutrodynes the neutralizing condensers should be entirely removed to prevent oscillation, as they are nearly self-neutralizing.

USE IN TUNED RADIO FREQUENCY SETS

In tuned radio frequency non-neutralized circuits it will be found that these tubes will, in a great measure, self-neutralize the oscillating tendency of the set and be of great value in increasing the output of the radio frequency circuit.

USE IN OTHER SETS

Magnavox tubes will operate with perfect satisfaction as (1) detector using grid potential—grid current characteristics for rectification; (2) detector using grid potential also—plate current characteristics for rectification; (3) radio frequency amplifier; (4) intermediate frequency amplifier (as in superheterodynes); (5) audio frequency amplifier; (6) oscillator; (7) oscillating detector for low frequency continuous waves 10 to 100 meters, or lower if used without base.

CAUTION

Never use over a 6-volt battery on this tube, and when 6-volt battery is used it must be cut down by a rheostat to between 4½ and 5 volts. Always turn off the current when placing tubes in the sockets and then turn rheostat to proper point for good reproduction, no higher. Careful attention to the above will result in long and successful operation.

Manufactured by

THE MAGNAVOX COMPANY

OAKLAND, CALIFORNIA, U. S. A.

Makers of the Magnavox Single Control Receiving Sets and
Magnavox Loud Speakers.

Ask your dealer to see them.